Create a graph database for students assise registration ccreate student and dept node and insert values of properties. Create (n: stodent (sid: "VTO/14500") 3 Sname: "John"; deptrame: " CSE "] 0 5 2 FO) OFF ER 2008 1 1 6 5 2 1 1 1 1 5 5 2 10 50 Output on! " ph.p." Added 1 label, create 1 node, set 3 properties. " No offwo! completed after 232ms Create (n: stodent { sid; "VW14501") Smame: "Dharsane", deptrame: "FEE"]] O uport Added I labol reveale I node, set 3 preperties, completed after 16 ms Create (12: stodent { sld: "VTUIL502", Sname: "vijay", deptreme: "CSE"]) Output: Strongo Takes 1951 Added I label , created I hate, set 3 properties, completed after 12 ms.

Task 11: CRUD Operation in Graph database
Aim:

To perform CRUD operation like creating, inserting, queny, finding, deleting operation, on graph space.

Creating Node with properties.

Proporties are the Ivey-value pairs using which a node stores data. You can create a node with proporties using CREATE clause. You need to specify these, proporties sepenated by commass within the flower broces & 1 3"

syntax:

Floring is the syntax to conside a node with proporties

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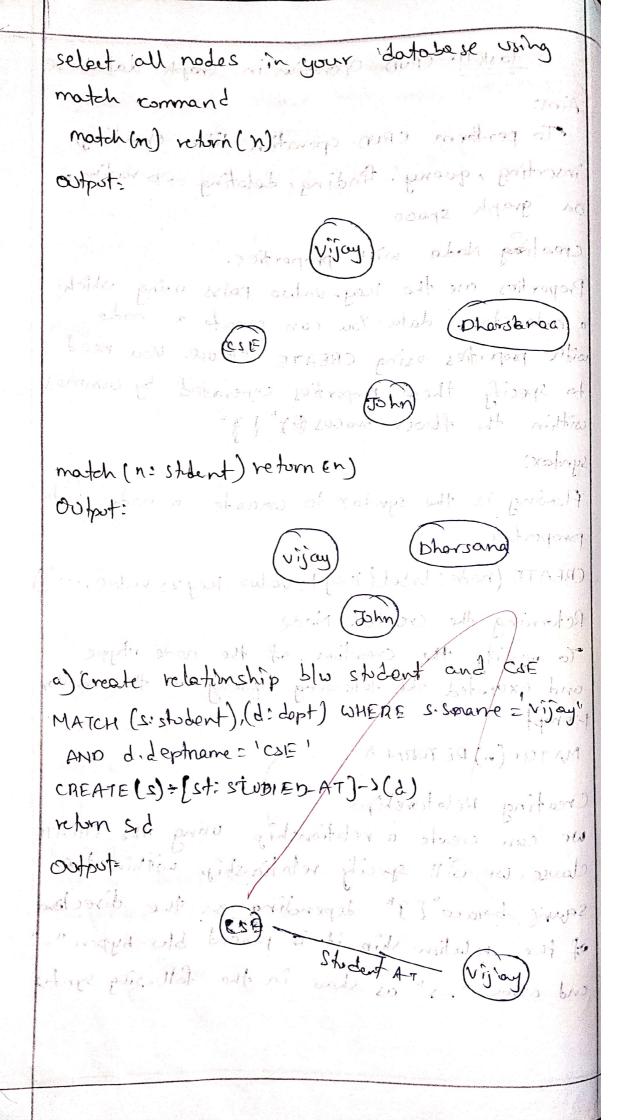
CREATE (node: Label 1 key 1: value, key 2: natue, ...)
Returning the created Node

To verify the creation of the node itype and executed the following gueny in the dollar. prompt

MATCH (n) RETURN A

Creating Relationships

We can create a relationship using the CREATE clause. We will specify relationship within the squire brace [3" depending on the direction of the relation-ship it is placed blu sypen "-" and arrow "-" as show in the following syntax



Syntax: twoods made about is about it Following is the syntax to create a relationship using create clause CREATE (node +): [Relationship Type]-> (node 2) Creating a Relationship Blu the Existing Nodes. You can also create a relationship blue the existing node veing the MATCH clause syntax: following is the syntax to create a relationship using the MATCH clause MATCH (a: Labort Note 1). (b: Lobort Note 2) WHERE a= name= "name at node |" AND b-rame = " "mame of node 24 CREATE (0) = [: Relation] -> (6) RETURN a, 3 Deleting a particular Node To delete a particular nodo, you need to specify the defials of the node in the place of "n" in the above querry. Syntax: Following is the syntax to delete a particular role from Neo 41 Using the DELETE clase. MATCH (note: label { proporties -- -- 3)

DATACH DELETE node.

